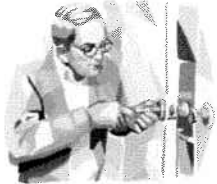


	Current Number of Workers 2006	Projected Number of Workers 2016	% Change to 2016	Average Annual Openings	 Maintenance/Repair Workers, General SOC # 49-9042	
Regional	1300	1600	23.10%	35		
Texas	103,000	123,300	19.70%	2285		
Education/ Training Time	Is License Required?	Wage Rate \$/Hr. 2008 Regionally	Percent Female	Average Age	Job Turnover	Why Most Job Openings Occur
1+ years	No	\$12.82	3.7%	40.8	Very low	Growth

JOB DESCRIPTION

Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs. *Possible Green Job with enhanced skills.*

WHERE DO WORKERS FIND JOBS?

Lessors of Real Estate
 Elementary and Secondary Schools
 Local Government, Except Education
 Activities Related to Real Estate
 Traveler Accommodation
 Colleges, Universities, and Professional Schools
 General Medical and Surgical Hospitals

RELATED COLLEGE PROGRAMS

CIP 460401 Building/Property Maintenance and Management

IMPORTANT KNOWLEDGE

ARTS AND HUMANITIES

* English Language

ENGINEERING AND TECHNOLOGY

* Building and Construction

* Design

* Engineering and Technology

* Mechanical

LAW AND PUBLIC SAFETY

* Public Safety and Security

MATHEMATICS AND SCIENCE

* Mathematics.

IMPORTANT SKILLS

CONTENT

* Active Listening

TECHNICAL SKILLS

* Equipment Maintenance

* Equipment Selection

* Installation

* Repairing

* Troubleshooting

IMPORTANT ABILITIES

CONTROL MOVEMENT ABILITIES

* Multilimb Coordination

FINE MANIPULATIVE ABILITIES

* Arm-Hand Steadiness

* Manual Dexterity

IDEA GENERATION AND REASONING ABILITIES

* Inductive Reasoning

* Information Ordering

* Problem Sensitivity

VISUAL ABILITIES

* Near Vision

NATURE OF THE WORK: Maintenance/Repair Workers General

Most craft workers specialize in one kind of work, such as plumbing or carpentry.

General maintenance and repair workers, however, have skills in many different crafts. They repair and maintain machines, mechanical equipment, and buildings and work on plumbing, electrical, and air-conditioning and heating systems. They build partitions, make plaster or drywall repairs, and fix or paint roofs, windows, doors, floors, woodwork, and other parts of building structures.

They also maintain and repair specialized equipment and machinery found in cafeterias, laundries, hospitals, stores, offices, and factories. Typical duties include troubleshooting and fixing faulty electrical switches, repairing air-conditioning motors, and unclogging drains. New buildings sometimes have computer-controlled systems that allow maintenance workers to make adjustments in building settings and monitor for problems from a central location. For example, they can remotely control light sensors that turn off lights automatically after a set amount of time or identify a broken ventilation fan that needs to be replaced.

General maintenance and repair workers inspect and diagnose problems and determine the best way to correct them, frequently checking blueprints, repair manuals, and parts catalogs. They obtain supplies and repair parts from distributors or storerooms. Using common hand and power tools such as screwdrivers, saws, drills, wrenches, and hammers, as well as specialized equipment and electronic testing devices, these workers replace or fix worn or broken parts, where necessary, or make adjustments to correct malfunctioning equipment and machines.

General maintenance and repair workers also perform routine preventive maintenance and ensure that machines continue to run smoothly, building systems operate efficiently, and the physical condition of buildings does not deteriorate. Following a checklist, they may inspect drives, motors, and belts, check fluid levels, replace filters, and perform other maintenance actions. Maintenance and repair workers keep records of their work.

Employees in small establishments, where they are often the only maintenance worker, make all repairs, except for very large or difficult jobs. In larger establishments, their duties may be limited to the general maintenance of everything in a workshop or a particular area.